

## APPENDIX 1

### *Brood Development Time*

To determine the amount of time necessary for immature *C.mimosae* to become functional workers, we reared pupae and large larvae in the lab. Fifteen workers and 8 brood were placed in small cups ( $N = 7$  for pupae and larvae) and fed sugar water and a tuna protein source ad libitum. Brood of each category were randomly selected from the standing stock of pupae or larvae found in a domatia. This helped establish a range in times to metamorphosis. Individuals were checked every 2 days to see if any larvae had pupated or workers had emerged. To determine if pupae are able to eclose with no assistance from workers, we followed the same design ( $N = 4$  cups with 8 pupae) as above but did not include any workers in cups with pupae and removed any new workers as they emerged.

### *Results*

Of the 55% of pupae and 30% of large larvae paired with workers that metamorphosed, it took an average of  $X + SE = 8.7 + 0.75$  and  $5.29 + 0.72$  days respectively. Pupae that were isolated from workers eclosed at a higher rate 93%, taking on average  $X + SE = 12.6 + 1.51$  days.